



DATE: March 4, 2014
FROM: Tyler Kilde
TO: Federal Communications Commission (FCC) Staff
SUBJECT: Expression of Interest – Rural Trials Docket No. 10-90

Background

MLGC, LLC is an ILEC-affiliated CLEC. Griggs County Telephone Company, the parent company, serves nine communities¹ reaching approximately 2,300 subscribers. Griggs recently placed over 900 miles of fiber based facilities in eastern North Dakota. The network upgrade to Fiber-To-The-Home (FTTH) technology allows Griggs to provide the same broadband, video and telephone services enjoyed in urban areas. MLGC's offices are located in Enderlin, North Dakota.

MLGC is not designated as Eligible Telecommunications Carrier in the proposed project area at this time. If funding is awarded MLGC will file for ETC designation with the ND Public Service Commission.

Project Description

MLGC proposes a last-mile broadband project, using FTTH technology, to bring affordable and reliable broadband access to underserved areas in Cass County, North Dakota. Specifically, MLGC will expand its footprint to serve Kindred which is beyond the reach of CenturyLink DSL service and MLGC's own coaxial cable footprint.

The project will take advantage of MLGC's 10G middle mile fiber facilities to serve Leonard, North Dakota. MLGC will provide Leonard customers with broadband and POTS services to customers beyond the footprint where Midcontinent Communications and CenturyLink currently offer broadband. If funded, MLGC subscribers will have access to high-speed broadband services and more extensive video services that will enhance the quality of life, spur economic development in rural North Dakota, and improve services delivered by critical community and public safety entities.

Technology to be Deployed

MLGC will deploy FTTH technology to extend its current broadband system. The network will include fiber cable which typically has a 30-35 year life. The network architecture is Gigabit Passive Optical Network (GPON) based, which is capable of downstream speeds of 2.5 Gbps and upstream speeds of 1.25 Gbps split up by to 64 customers per PON. Due to the demands of IP video bandwidth, MLGC will only split to a maximum of 32 customers and in some cases will split less as it extends its network farther. GPON is specified to go to 60 KM, but, due to limitations with lasers and the cost of the equipment, the solution MLGC is proposing is only capable of 40 KM with an 8-way split depending on cable loss. Unlike with DSL or wireless technologies, with GPON and Active Ethernet even the subscribers farthest out enjoy the same bandwidth and performance as the subscribers close to the electronics, meaning no limitations as distance increases.

Anchor Institutions

The City of Davenport, ND is currently unserved with broadband and is the only anchor institution within the proposed service area. The City contacted MGLC requesting broadband and exploring partnership opportunities.

¹ Binford, Cooperstown, Enderlin, Finley, Glenfield, Jessie, McHenry, Sharon and Sheldon

March 4, 2014

Locations to be Served

MLGC will pass at total of 655 locations: 461 premises in the Kindred exchange and 194 premises in the Leonard exchange. The census blocks listed in Attachment A include currently unserved areas. Attachment B is a map of the areas to be served.

Services to be offered

MLGC will offer voice broadband and video over the proposed broadband network. Pricing will be competitive with services currently provided in Kindred and Leonard. Representative pricing is as follows:

<u>Service</u>	<u>Residence</u>	<u>Business</u>
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Voice Service	\$18.25	\$24.25
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10¢ Nationwide Plus long distance (\$3.95/month)

Data Services

8 Mbps/1 Mbps	\$29.99	\$45.99
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15 Mbps/2 Mbps	\$39.99	\$65.99
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20 Mbps/2 Mbps*	* only available with service bundle	
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Video Services

Basic (78 channels)	\$50.90
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Digital Tier	\$19.95
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Bundle: \$117.99

Voice	Local telephone with voicemail with email notification, Caller ID, Call Waiting, Call Forwarding and 3-Way Calling plus 1200 minutes long distance
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Data	20 Mbps/2 Mbps
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Video	Basic
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Funding

MLGC seeks \$6.4M in one time funding to complete this project. \$5.42M for electronics and fiber, and \$973K for engineering.

Project Timeline

MLGC will be ready to begin the project as soon as funding is acquired

Sincerely,



Tyler H. Kilde

MLGC

VP/GM

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Attachment A
Census Block List

380170401003291	380779707001015	380170406002057	380170406001194
380170401003286	380779707001044	380170406003010	380170406002145
380170401003281	380779707002040	380170406002149	380170406001311
380170401003315	380779707002014	380170406001332	380170406002126
380170401003283	380779707001018	380170406002030	380170406001244
380170401003179	380779707002020	380170406001303	380170406001326
380170401003140	380779707002007	380170406001242	380170406001260
380170401003180	380779707001035	380170406002049	380170406002131
380170401003160	380779707002052	380170406001227	380170406002183
380170401003178	380779707002022	380170406002184	380170406001328
380170401003169	380779707002001	380170406002148	380170406001255
380170401003292	380779707002024	380170406002123	380170406001128
380170401003181	380779707002008	380170406001211	380170406002021
380170401003289	380170406002143	380170406001312	380170406001229
380170401003161	380170406001313	380170406001130	380170406001149
380779707002016	380170406002025	380170406001323	380170406002042
380779707001022	380170406001309	380170406002024	380170406001079
380779707002002	380170406001253	380170406002020	380170406001322
380779707002037	380170406002170	380170406003007	380170406003005
380779707001038	380170406002044	380170406002051	380170406001248
380779707002038	380170406001243	380170406001203	380170406002127
380779707002009	380170406002129	380170406002055	380170406001252
380779707002039	380170406002146	380170406002162	380170401003284
380779707002085	380170406002041	380170406001155	380170401003159
380779707001028	380170406002158	380170406002031	380170401003145
380779707001034	380170406001318	380170406001212	380170401003168
380779707002012	380170406002033	380170406002028	380170401003174
380779707002059	380170406001305	380170406001191	380170401003167
380779707002005	380170406003052	380170406002016	380170401003158
380779707002045	380170406001308	380170406001232	380170401003173
380779707002033	380170406002054	380170406001179	380170401003163
380779707002057	380170406001316	380170406001315	380170401003155
380779707001054	380170406001204	380170406001325	380170401003141
380779707002006	380170406002052	380170406002125	380170401003282
380779707001023	380170406002120	380170406001223	380170401003188
380779707002084	380170406002046	380170406003051	380170401003294
380779707001031	380170406001177	380170406001240	380170401003176
380779707001013	380170406002185	380170406002036	380170401003156
380779707001043	380170406002058	380170406002048	380170401003143
380779707002017	380170406001174	380170406001220	380170401003177
380779707001052	380170406001347	380170406001256	380170401003154
380779707002044	380170406001310	380170406001221	380739689001134
380779707001019	380170406001150	380170406002040	380739689001136
380779707002105	380170406002147	380170406002157	380739689001131
380779707002041	380170406001176	380170406001329	380739689001000
380779707001033	380170406002155	380170406001257	380739689001137
380779707002003	380170406001259	380170406001214	380739689001135
380779707002011	380170406002181	380170406002038	380779707002103
380779707002019	380170406003048	380170406002034	380779707002090
380779707002043	380170406001335	380170406002180	380779707002064

Attachment A
Census Block List

380779707002025	380779707002050	380170406001175	380170406001342
380779707002029	380779707001066	380170406001193	380170406001117
380779707002032	380779707002102	380170406001196	380170406001345
380779707002036	380779707002013	380170406001218	380170406002167
380779707001065	380779707002100	380170406001280	380170406001344
380779707002031	380170406002122	380170406002027	380170406001343
380779707001056	380170406001330	380170406002060	380170406001337
380779707001067	380170406002032	380170406001183	380170406001116
380779707002034	380170406002128	380170406001217	380170406001125
380779707002333	380170406001314	380170406002050	380170406001121
380779707002109	380170406001111	380170406001281	380170406001340
380779707002026	380170406001320	380170406001129	380170406002047
380779707002056	380170406001165	380170406002161	380170406002165
380779707001057	380170406001180	380170406001265	380170406002168
380779707002080	380170406001334	380170406001207	380170406001119
380779707002000	380170406001200	380170406001199	380170406001339
380779707002108	380170406001251	380170406001245	380170406001120
380779707002046	380170406001321	380170406001247	380170406001122
380779707001042	380170406001216	380170406001198	380170406001341
380779707002073	380170406001172	380170406002035	380170406001123
380779707002048	380170406001261	380170406002026	380170406001115
380779707001021	380170406001192	380170406001267	380170406001346
380779707002047	380170406001190	380170406002160	
380779707002061	380170406002059	380170406001268	
380779707002030	380170406001197	380170406001118	

